

ABSTRACT

A service valve assembly, for use in a split air conditioning/heat pump system, with a single valve block having a plurality of passages, a first valve and a second valve. The assembly includes a first cavity within the block with a first valve holding passage, for conducting gaseous refrigerant inside the valve block. The first valve includes a first through passage radially extending both through the first valve as well as from an outer surface of a first side of the block to an outer surface of a side opposite the first side. A first charging passage extends from the valve block outer surface to the first through passage. The valve block also includes a second cavity, including a second valve holding passage, for conducting liquid refrigerant within the block. The second valve includes a second through passage extending both through the second valve as well as from the outer surface of the valve block first side to the outer surface of the opposite side. A second charging passage extends from the valve block outer surface to the second through passage.